

Project Number (to be assigned by ABP) 200903

FISCAL YEAR 2011 ANNUAL PLAN PROJECT NOMINATION FORM

1. Nominating Party (Please note affiliation, i.e. Parish, Association, Organization)
Name: Karen A Westphal Affiliation: National Audubon Society
Address: 6160 Perkins Road, Suite 215, Baton Rouge, LA 70808
Phone: 225-768-0820 email: kwestphal@audubon.org
2. Statement of the Problem. (Please give a brief description of problem and current area conditions. If you think the problem relates to water quality, sediment accumulation, access, forest health, fisheries or other issues, please indicate as well).
 - a. Sediment accumulation in sediment traps allowing sediment to move on into blackwater areas threatening habitat and water quality
 - b. Sediment accumulation in waterway blocking water movement and decreasing water quality in backwater swamp.
3. Project Boundary (attach map showing specific location of project area): Parish: St Martin Water Management Unit (if known): Buffalo Cove Lat/Long (if known): SEE ATTACHED BELOW
4. Affected Area: (attach map of the area anticipated to benefit from project- if known) Project Number (to be assigned by ABP) _____
5. Action Description: (any proposed action or suggestion to rectify the problem. List any anticipated benefits from the project-if known)
 - a. Clean-out sediment traps with a small dredge that is being developed for limited access areas. Sediment to be pumped from trap into main channel to allow sediment to move downstream where it can be used for beneficial use elsewhere.
 - i. Benefits include increased/restored function of existing sediment traps, sediment moved further down the system, reducing sediment in cypress or backwater swamps, restoring habitat functionality
 - b. Open up small waterways that allow water flow into backwater swamps using a small dredge being developed for limited access areas.
 - i. Benefits include increased water exchange and improved dissolved oxygen and water quality
 - ii. Dredging past bottom depth at the mouth should create a temporary sediment trap
6. Survey and Preliminary Assessments: (Please attach any pertinent information or documents that you might have pertaining to the problem area for review and provide a list of the documents you have attached.)
 - a. Locations need to be suggested by those with more info. Areas suggested by the Corps currently include:
 - i. "Element 12 (new)" – the mouth of the canal is on state land near the St Bon Canal and the effluent can be ejected into the adjacent waterway, Lake

Fausse Pointe Cut (see attached figure). Lat/long = 30°02'52.28 N/
91°34'48.95" W

- ii. "Element 12 (old) – 3 sediment traps on Bayou Eugene that reduce sediment into deepwater swamps. Effluent has been historical placed on adjacent ridge.

- 1. 30°05'17.16" N/ 91°34'35.86" W

- 2. 30°04'58.23" N/ 91°34'22.84" W

- 3. 30°04'44.56" N/ 91°34'16.82" W

- b. Bathymetry surveys needed to determine amount of material to be moved

- 7. Additional information regarding the project area, problem or proposed action (if known):
(example: estimate of project cost, state land, private land, federal easement are)

- a. Costs will be related to the amount of material to be moved. Roughly 2500 cy will take 16 days and cost roughly \$60K, based on industry rates, for one location.



Figure 1 shows the regional view of project area in the Atchafalaya Basin near Lake Fausse Pointe. Red box shows location of Figure 2.

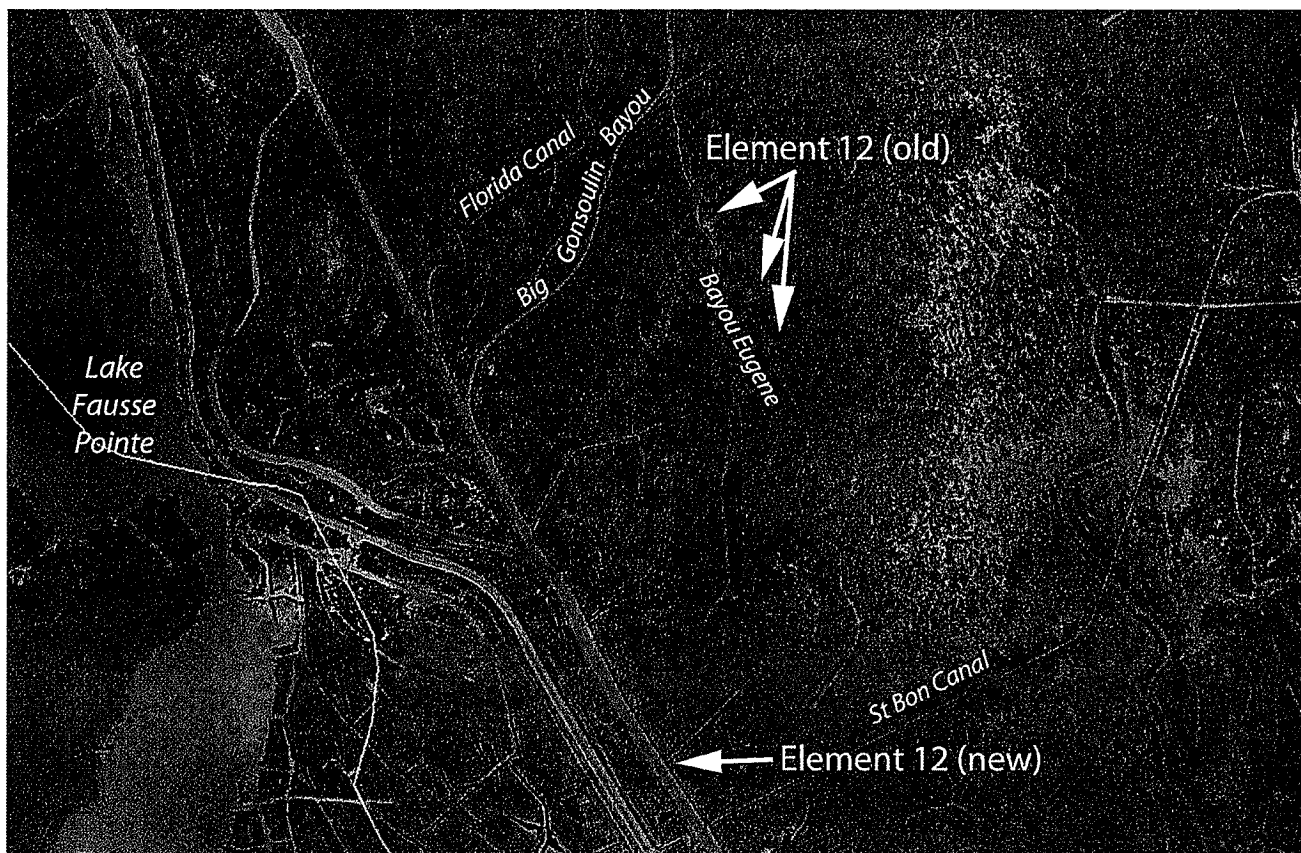


Figure 2 shows the locations of the areas feasible for our purpose, that were suggested by a member of the US Army Corps of Engineers.

Mini-Dredge Budget

estimated cubic yards to move = 3226
1 acre x 1ft = 1613 cy

	15hp	75hp
cubic yards/hour =	20	40
days per acre	14	

estimated days for project = 20.1625

Salary		days	rate/day	cost
	Dredge operator 1	20.1625	500	\$10,081.25
	Dredge operator 2	20.1625	500	\$10,081.25
	Tender operator 1	20.1625	500	\$10,081.25
	Tender operator 2	20.1625	500	\$10,081.25
Lodging			rate/day	
	lodging 4 people		400	\$8,065.00
	perdeum x 4		600	\$12,097.50
Equipment			rate/day	
	Dredge lease 15-20hp	20.1625	500	\$10,081.25
	Dredge lease 75hp	20.1625	1000	
	Truck costs	4	100	\$400.00
Mobilization				
	minimum fee		500	\$500.00
	rate per mile	500	55	\$275.00
Total				\$71,743.75

